

FIG. 1A

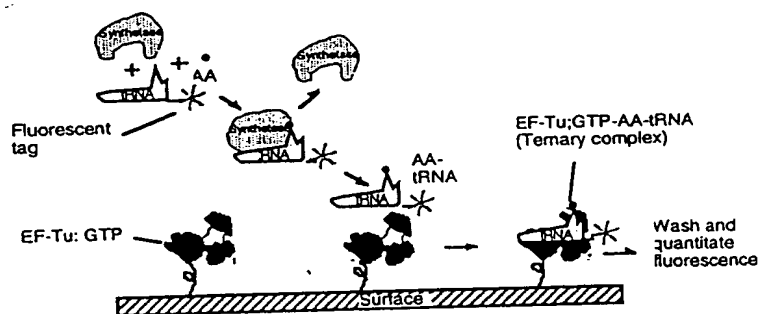


FIG. 1B



Parameter	Value	Unit	Value	Unit	Value	Unit	Value	Unit
α	0.1	deg	0.1	deg	0.1	deg	0.1	deg
β	0.1	deg	0.1	deg	0.1	deg	0.1	deg
γ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
δ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
ϵ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
ζ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
η	0.1	deg	0.1	deg	0.1	deg	0.1	deg
θ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
ϕ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
χ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
ψ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
ω	0.1	deg	0.1	deg	0.1	deg	0.1	deg
ν	0.1	deg	0.1	deg	0.1	deg	0.1	deg
μ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
λ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
κ	0.1	deg	0.1	deg	0.1	deg	0.1	deg
ι	0.1	deg	0.1	deg	0.1	deg	0.1	deg
\hbar	0.1	deg	0.1	deg	0.1	deg	0.1	deg
g	0.1	deg	0.1	deg	0.1	deg	0.1	deg
f	0.1	deg	0.1	deg	0.1	deg	0.1	deg
e	0.1	deg	0.1	deg	0.1	deg	0.1	deg
d	0.1	deg	0.1	deg	0.1	deg	0.1	deg
c	0.1	deg	0.1	deg	0.1	deg	0.1	deg
b	0.1	deg	0.1	deg	0.1	deg	0.1	deg
a	0.1	deg	0.1	deg	0.1	deg	0.1	deg

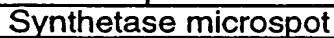


FIG. 2B

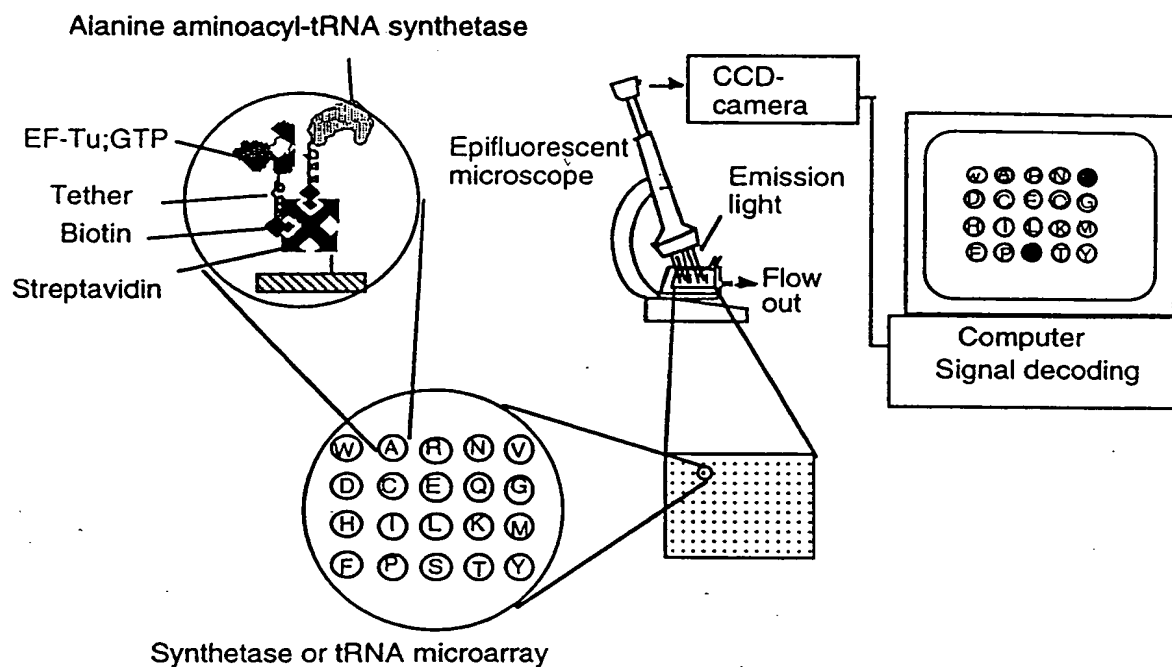


FIG. 3

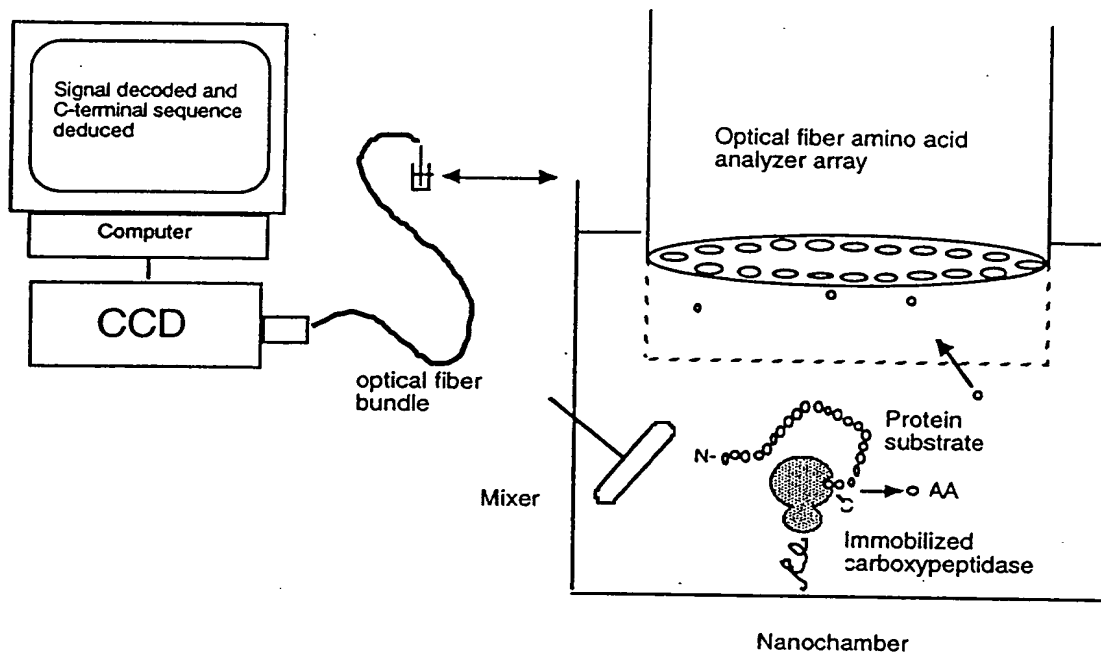


FIG. 4

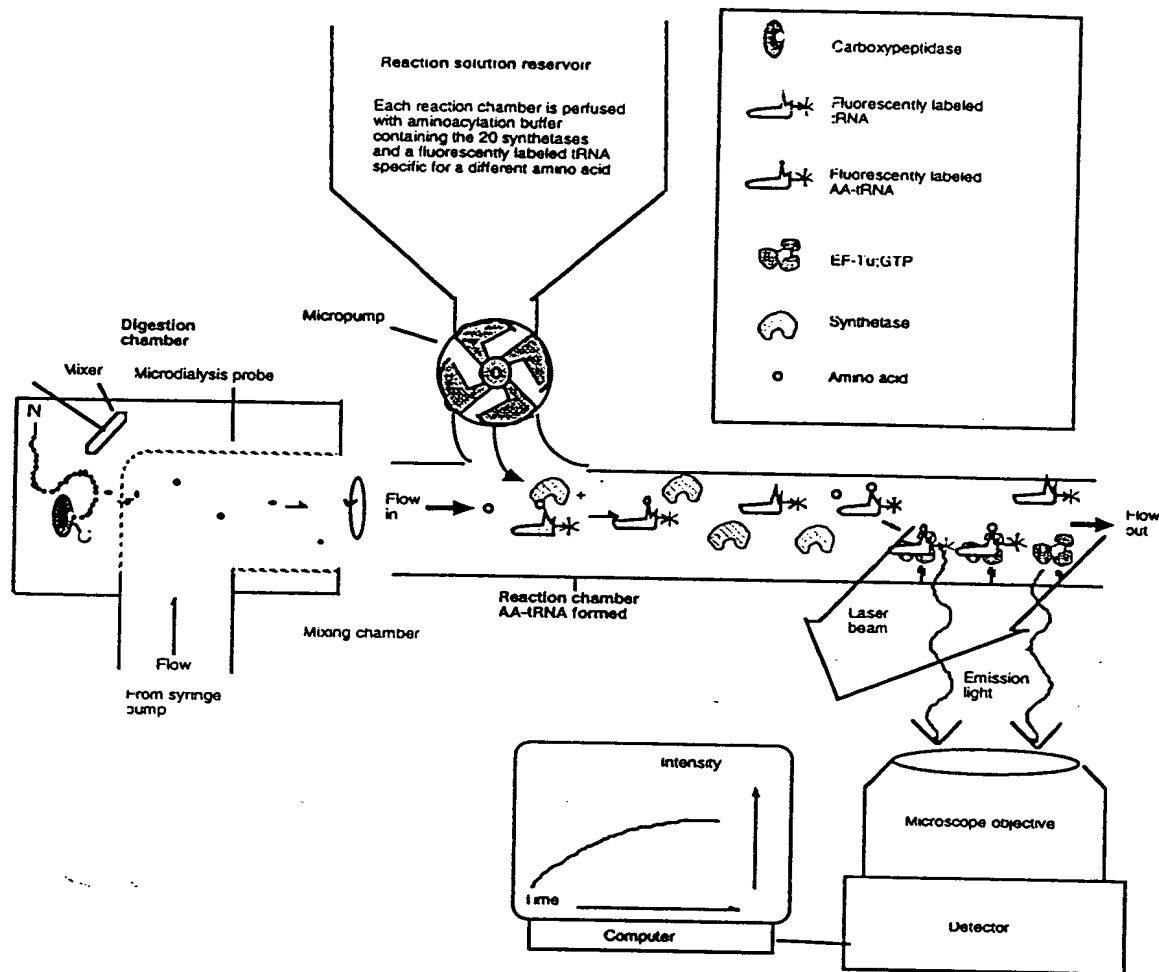


FIG. 5A

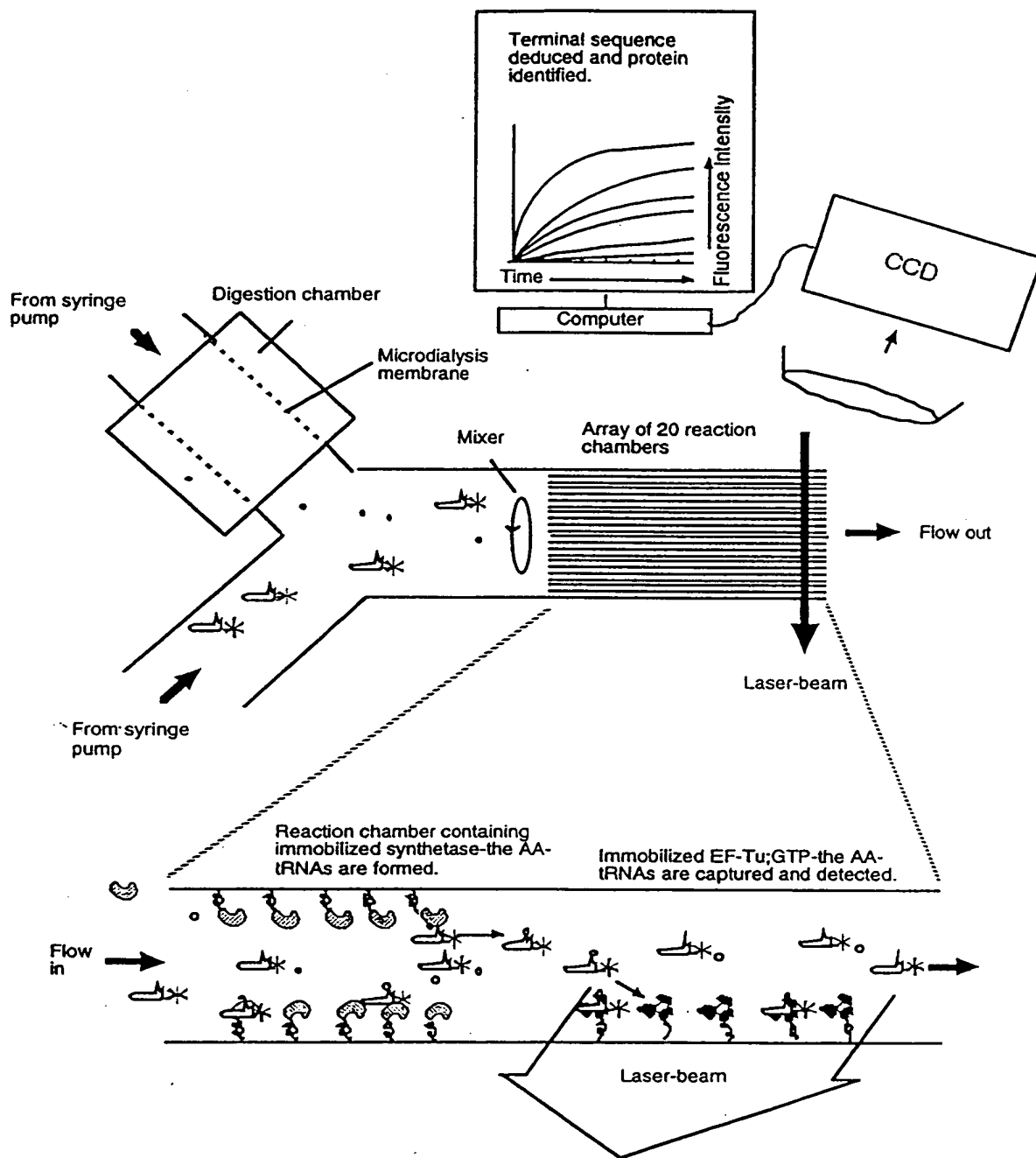


FIG. 5B

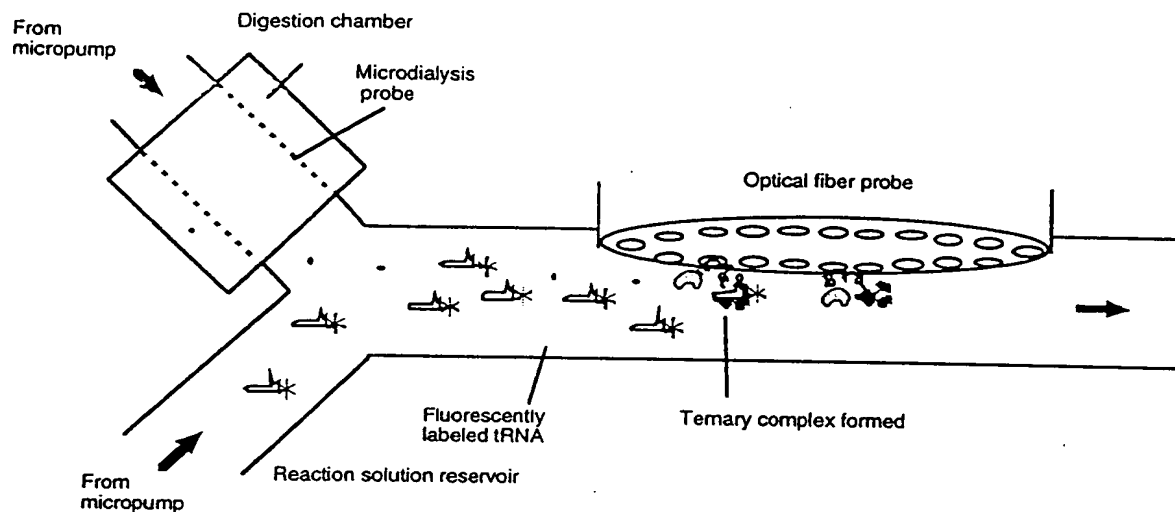


FIG. 5C

FIG. 6A

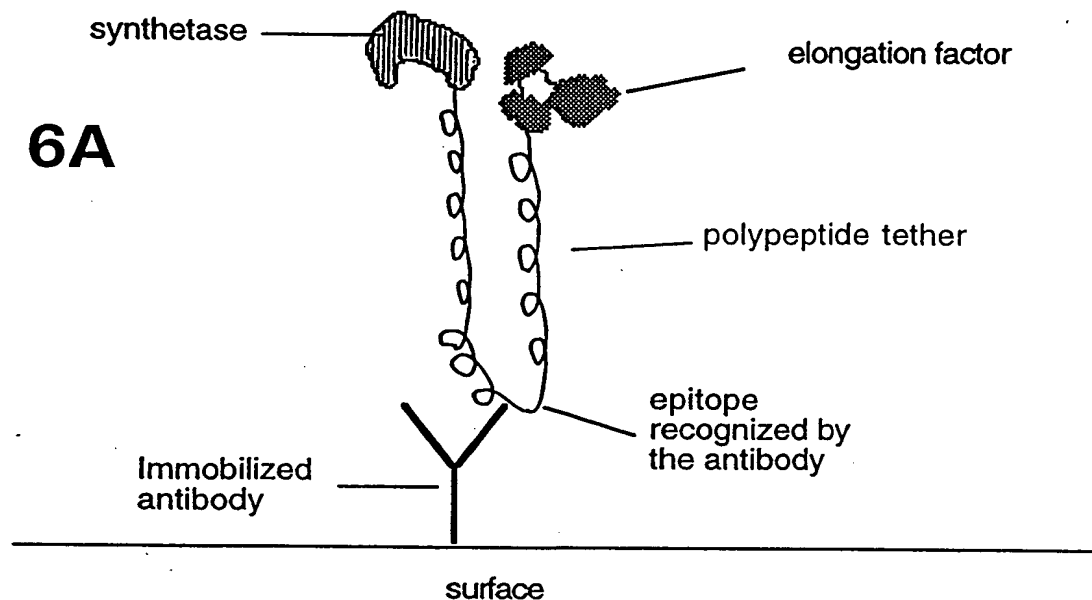
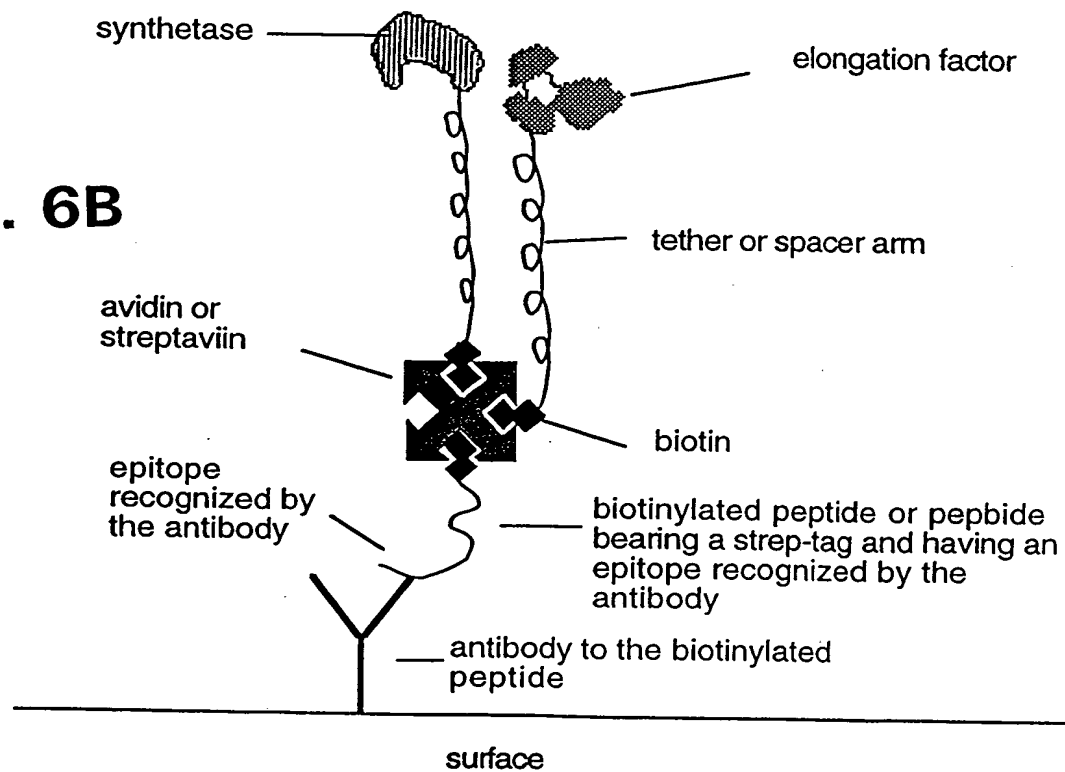


FIG. 6B



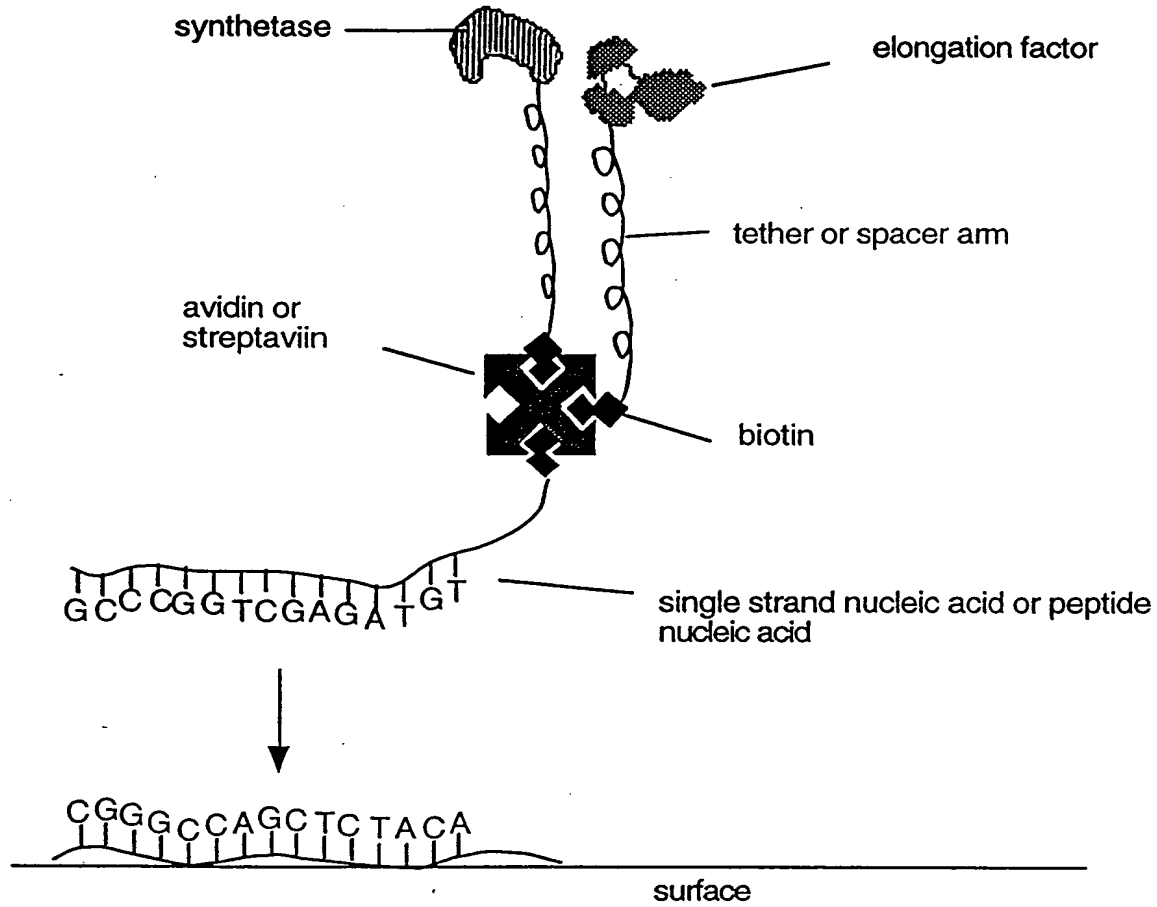


FIG. 6C

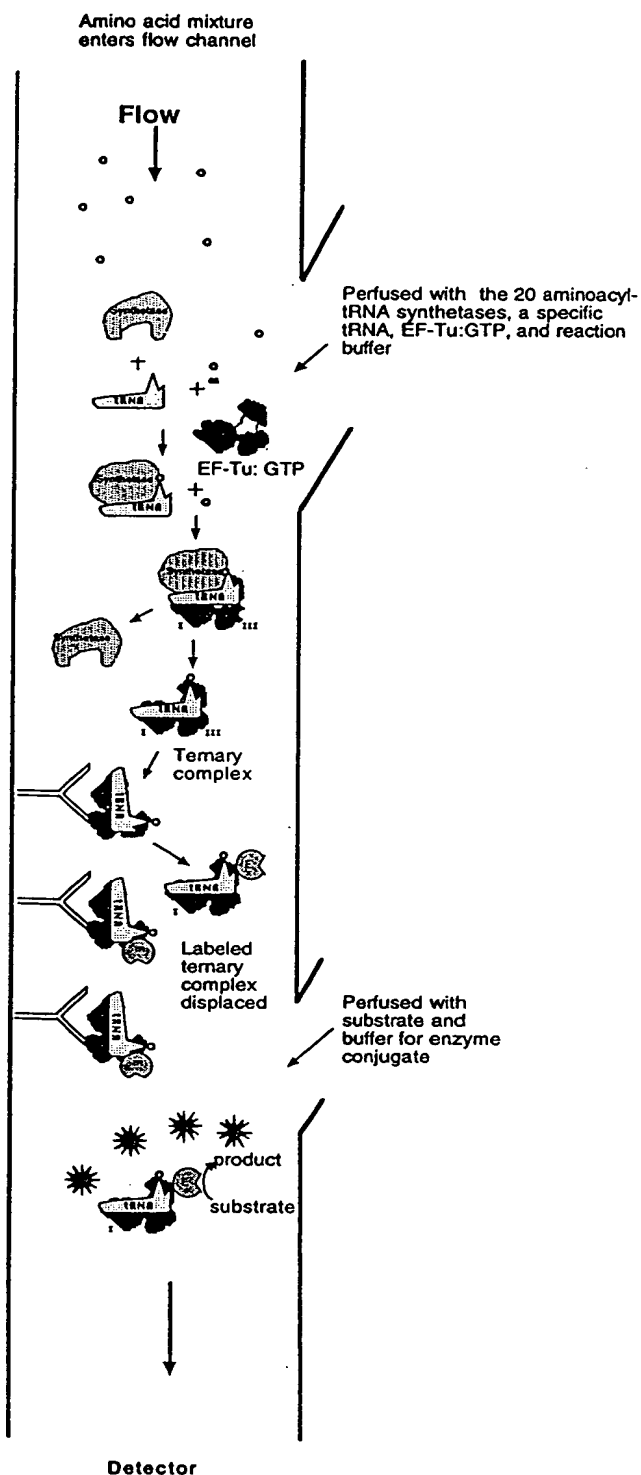


FIG. 7A

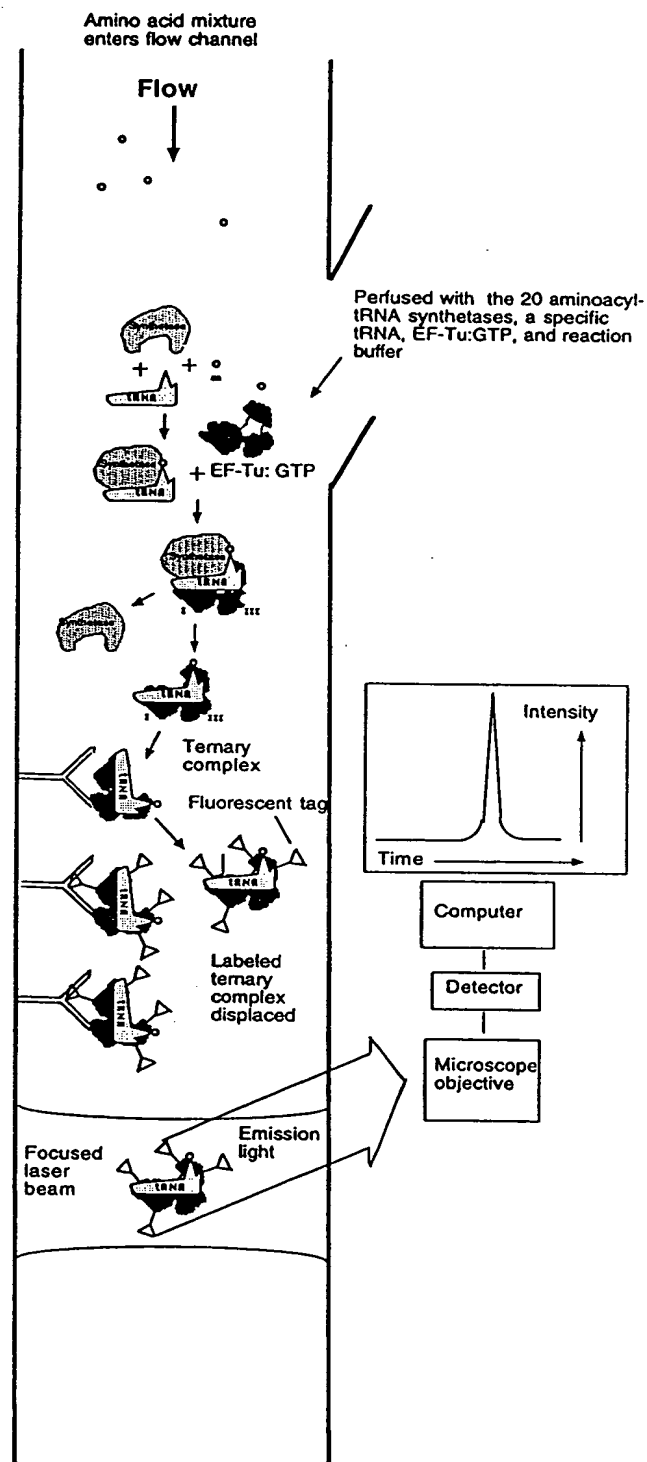


FIG. 7B

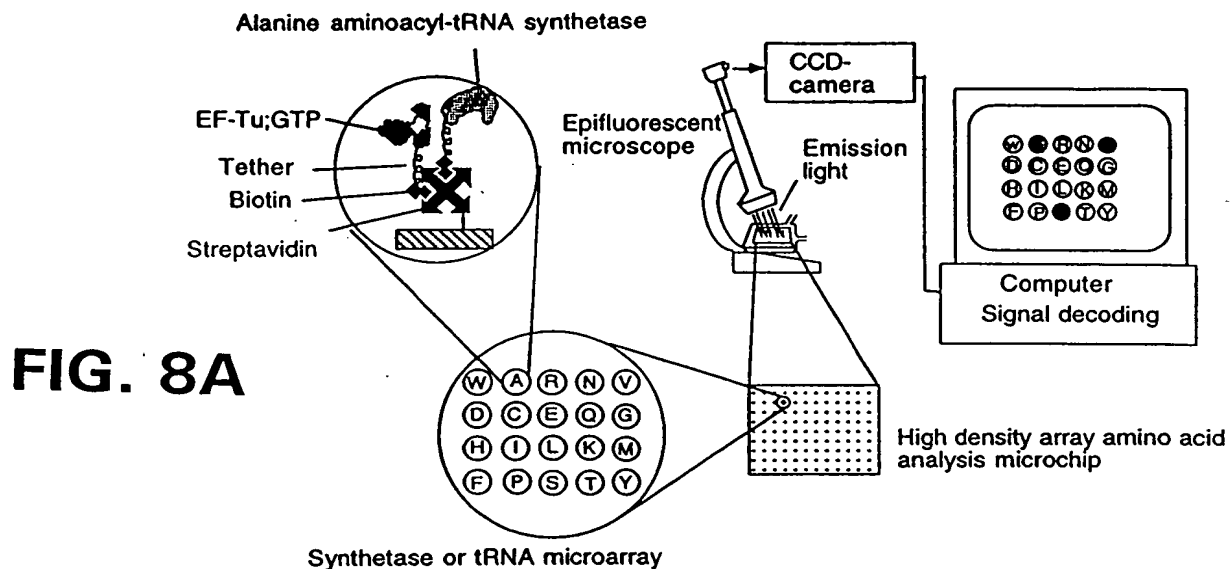


FIG. 8B

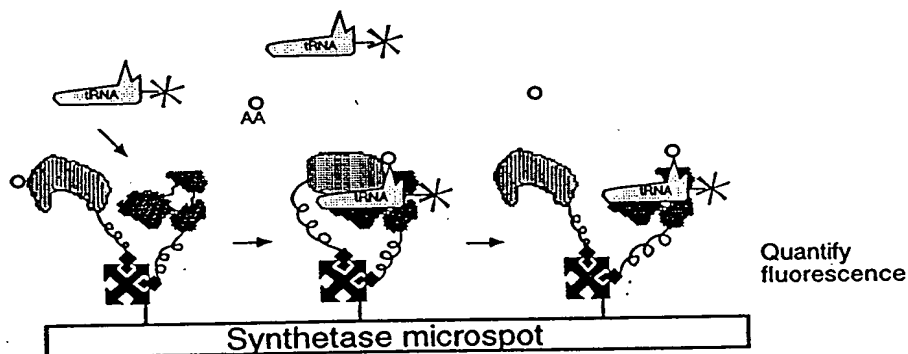


FIG. 8C

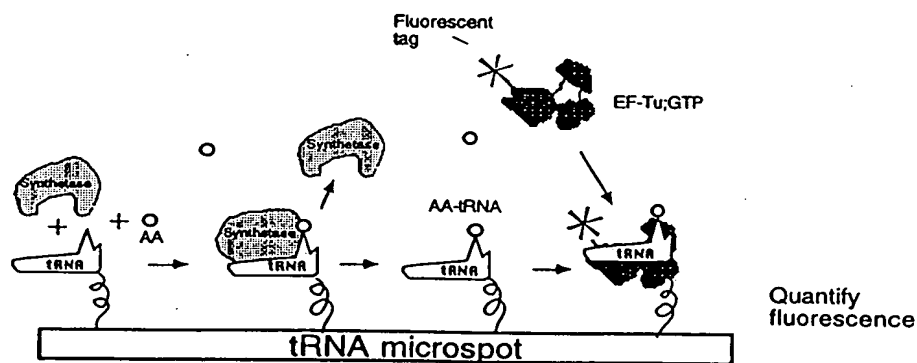
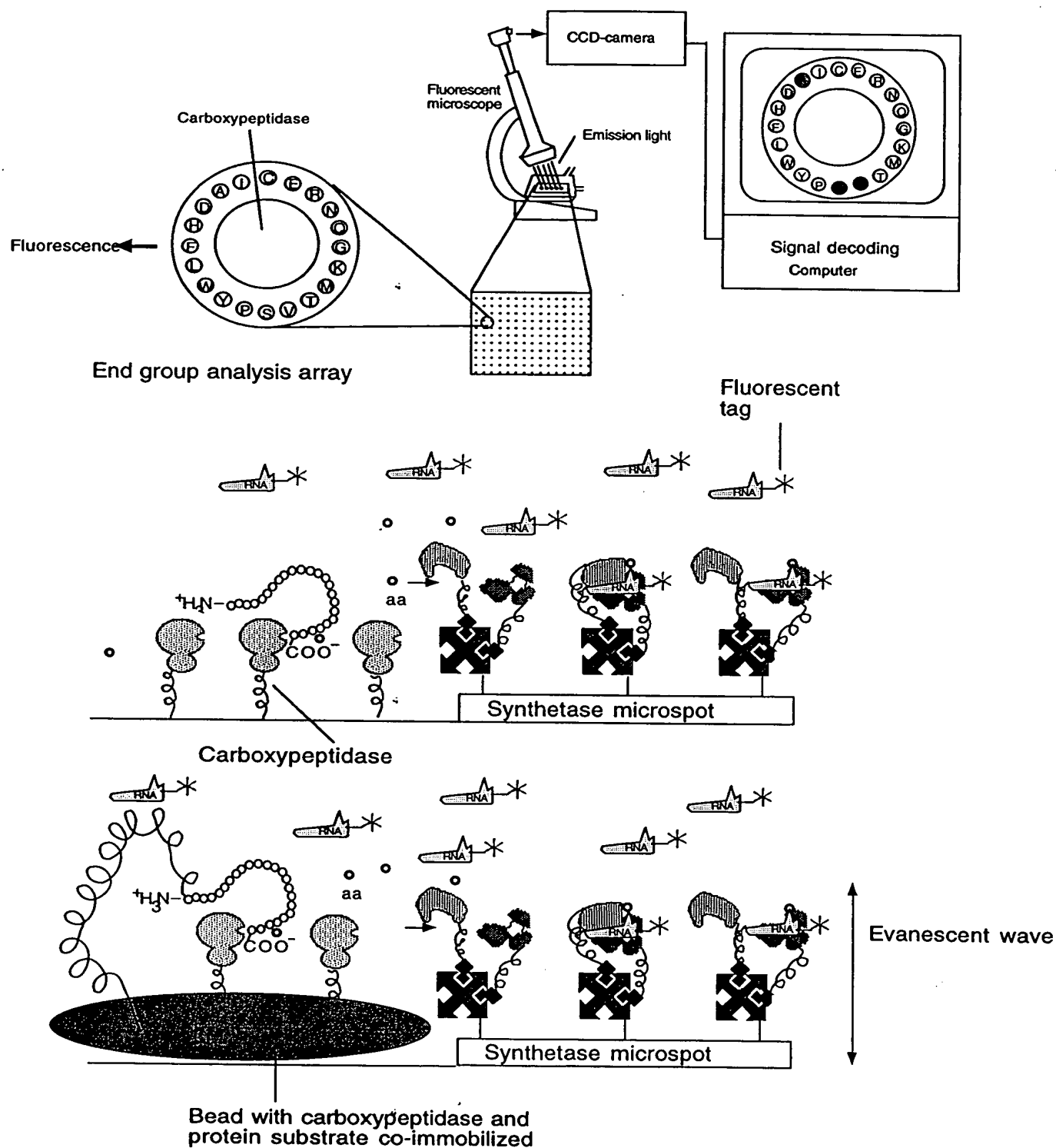


Fig.8D



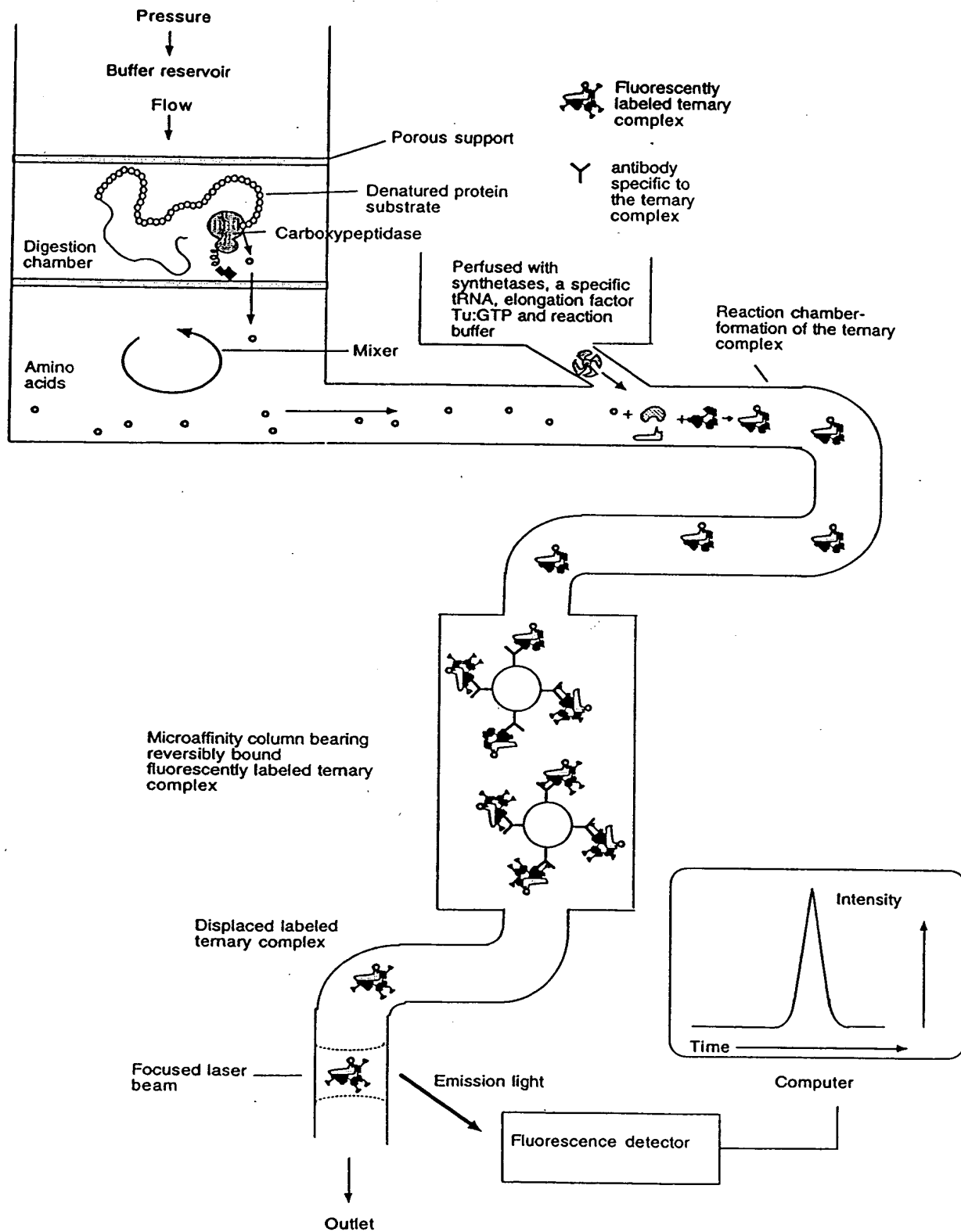


FIG. 9

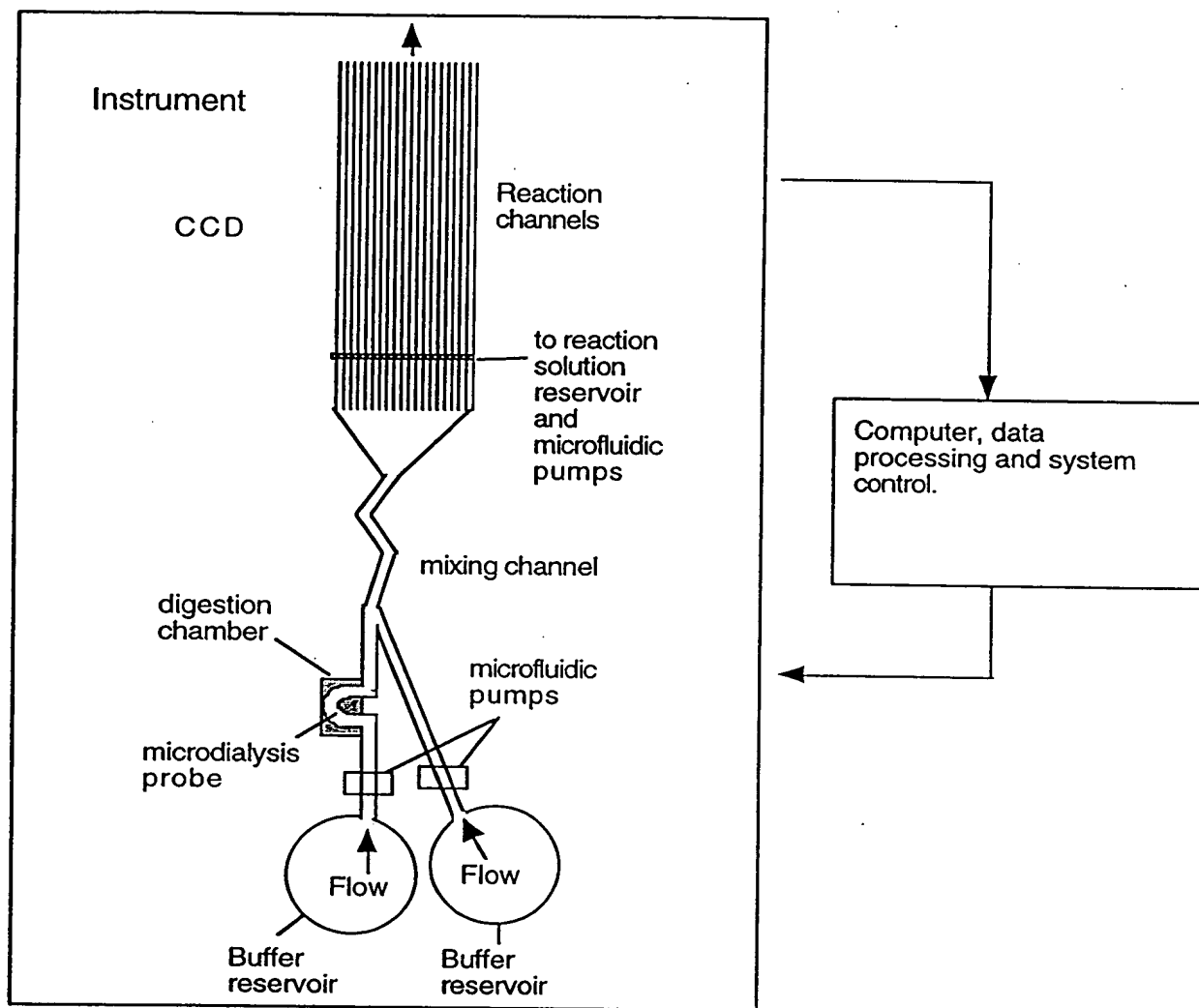
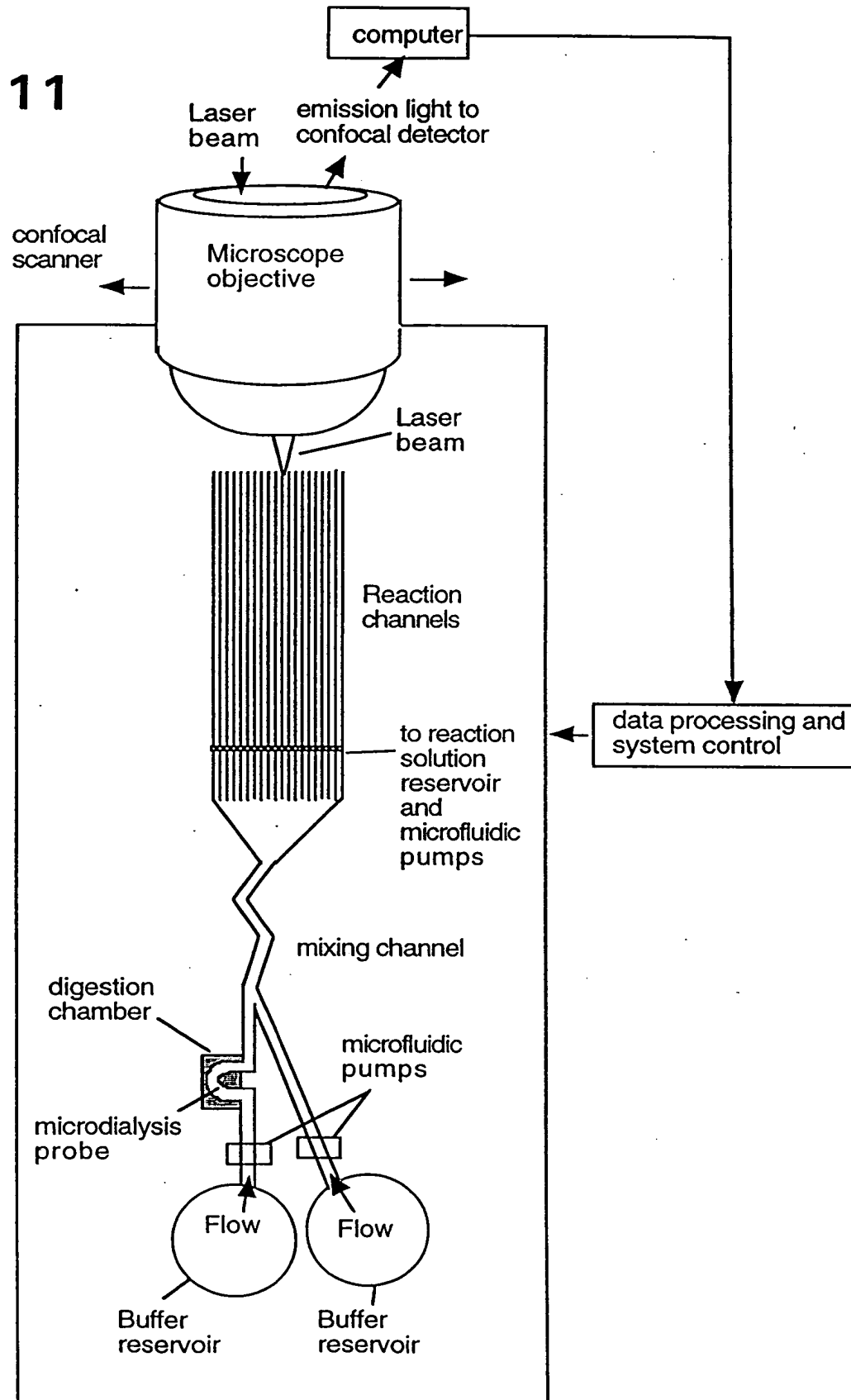


FIG. 10

FIG. 11



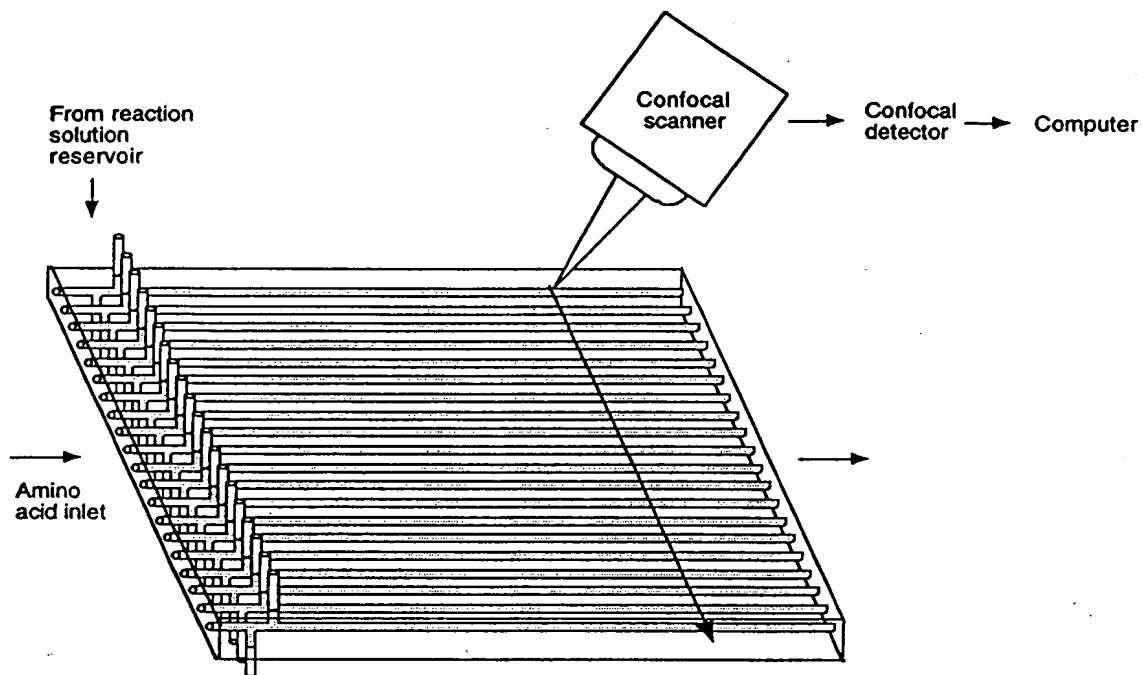


FIG. 12A

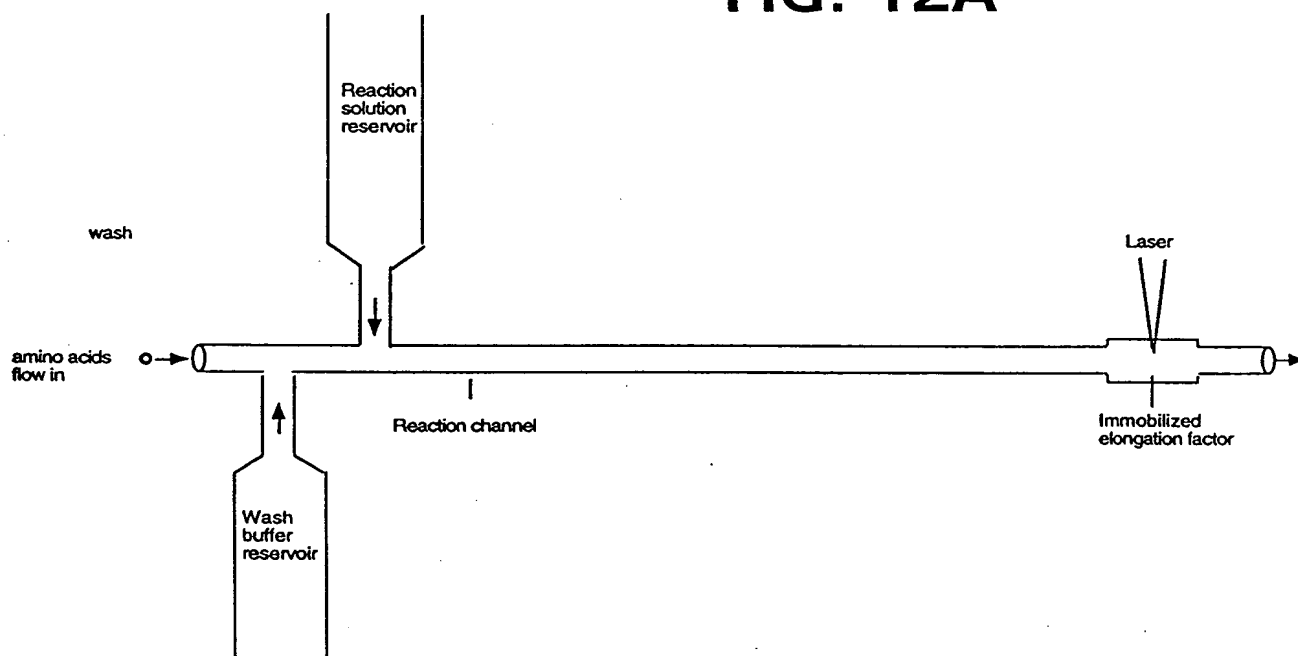


FIG. 12B

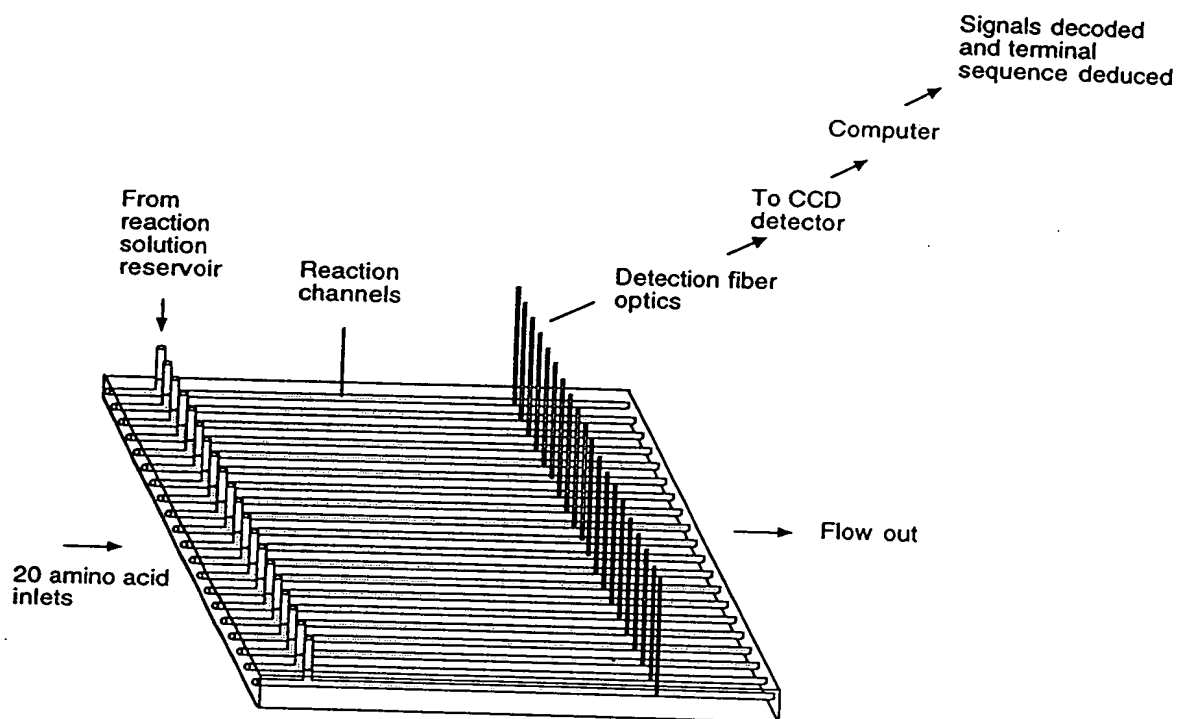


FIG. 12C

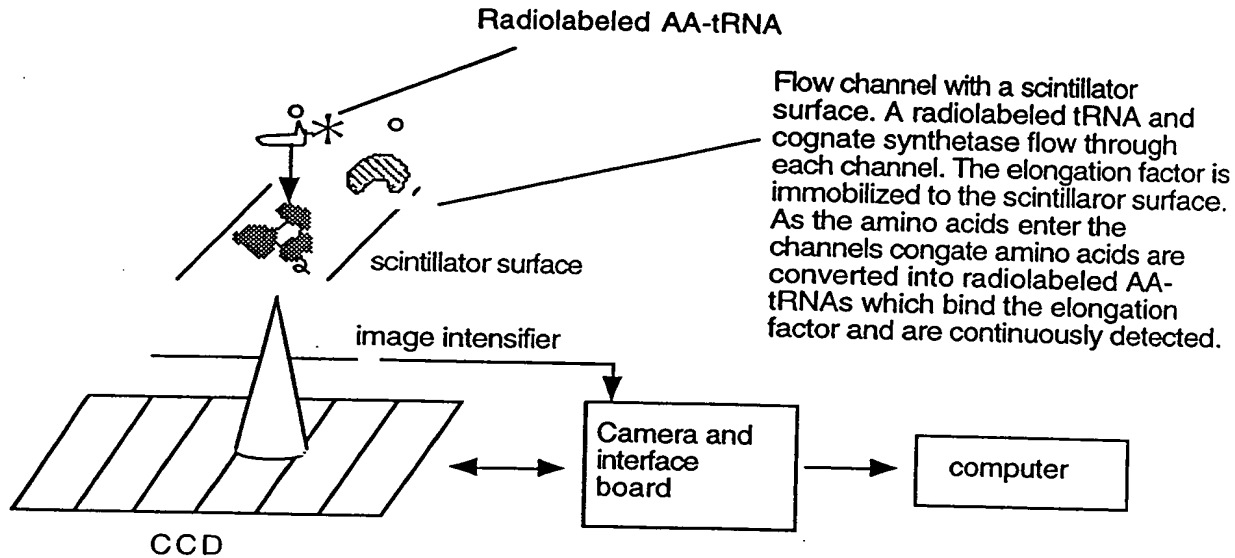


FIG. 13A

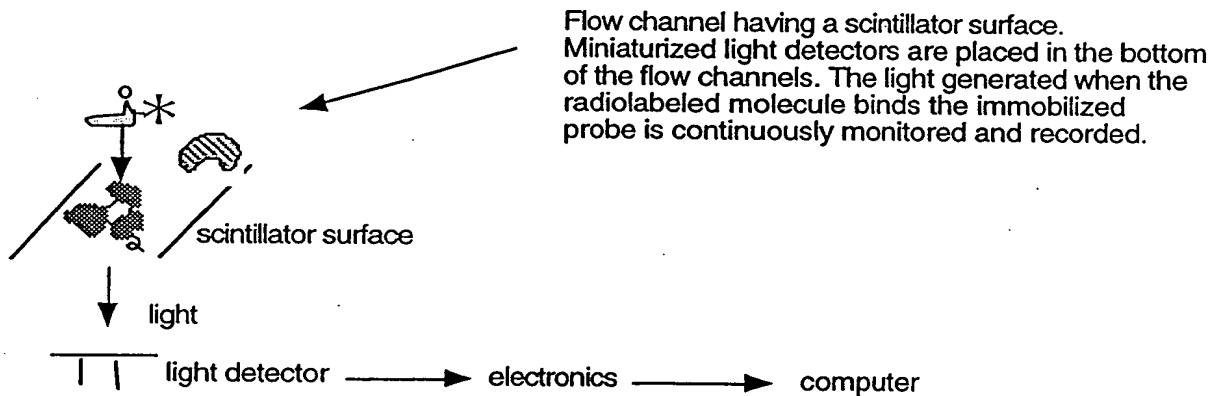


FIG. 13B

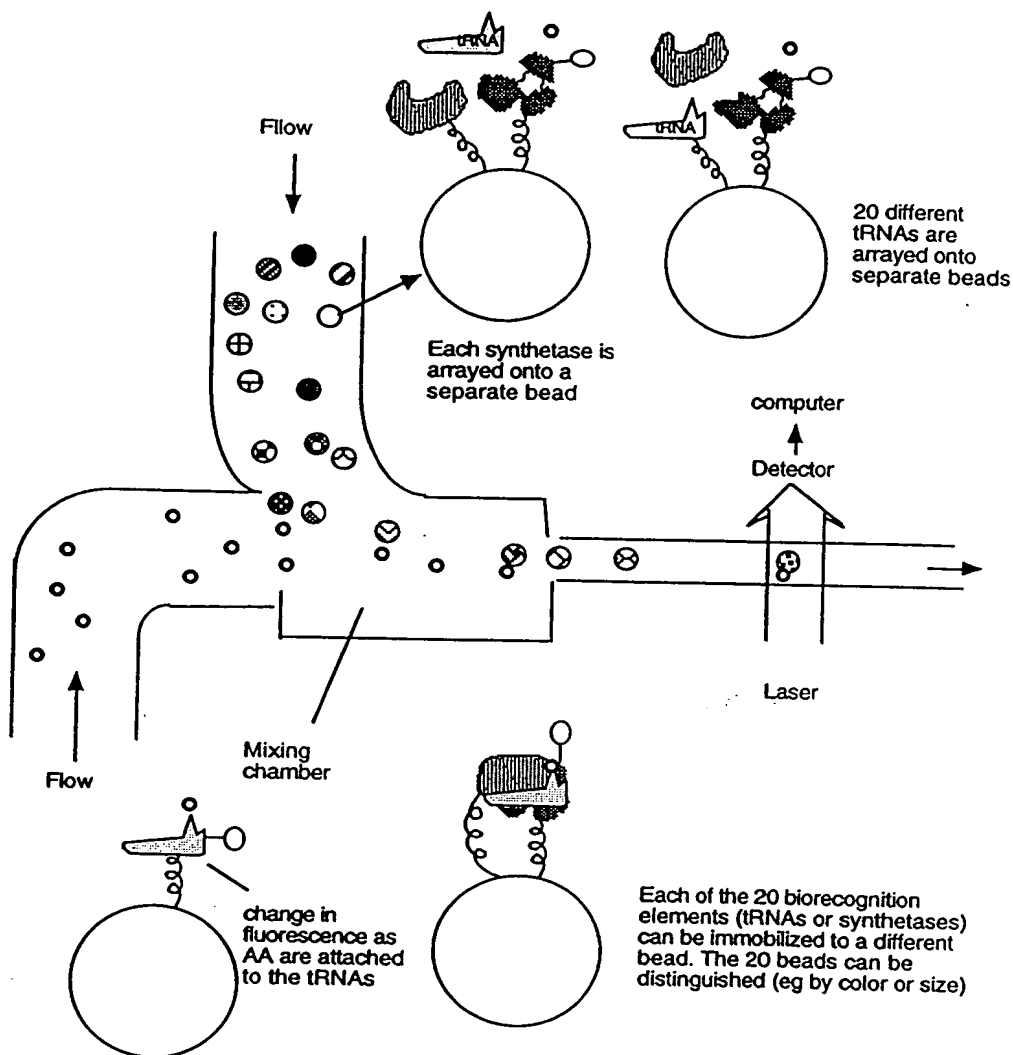


FIG. 14

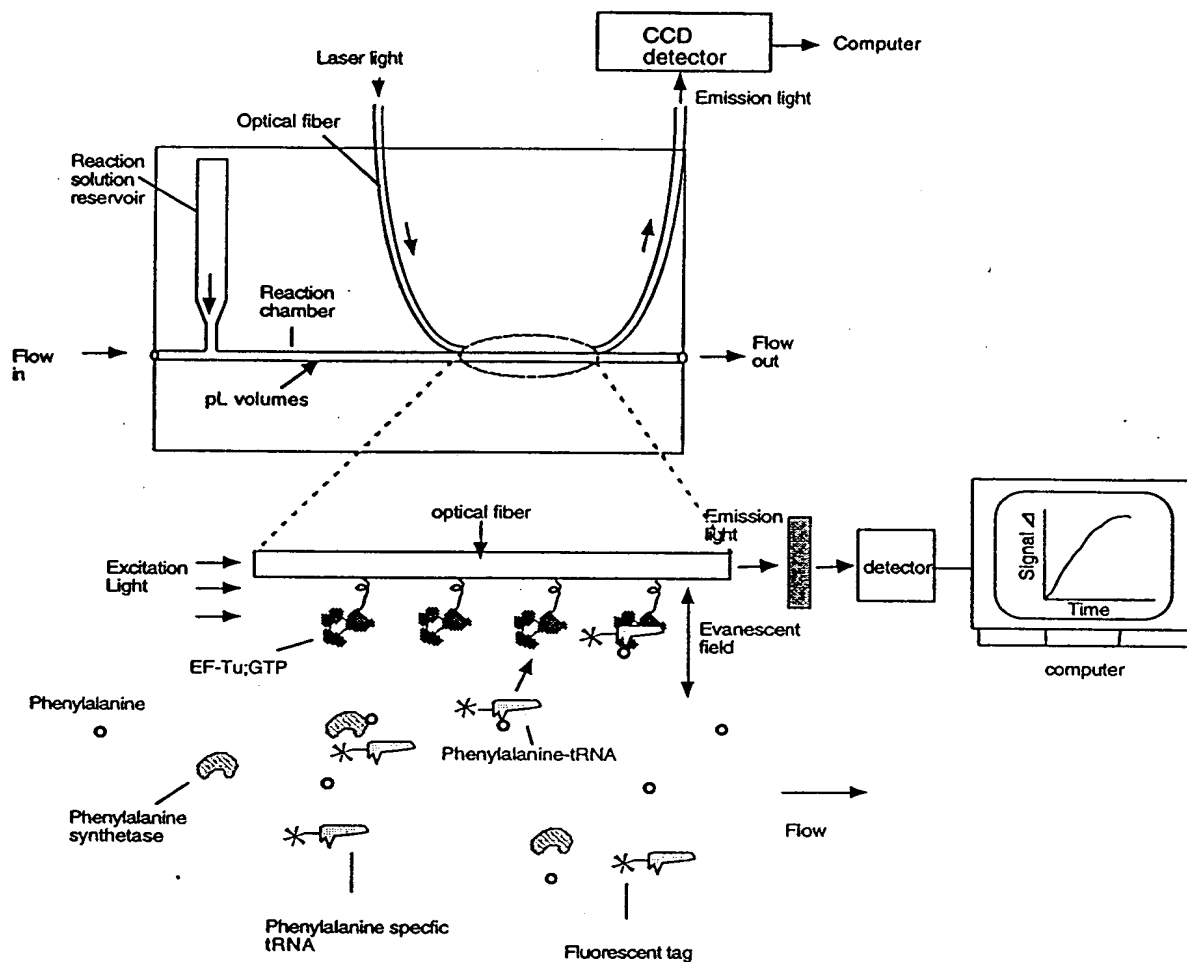
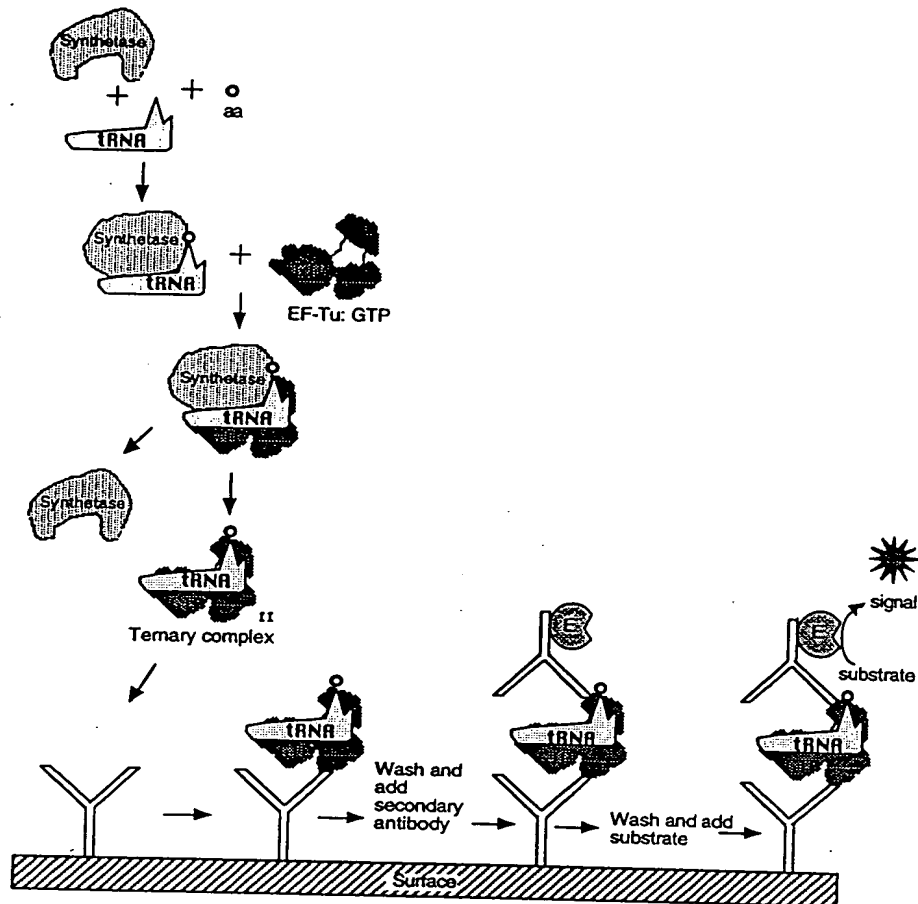
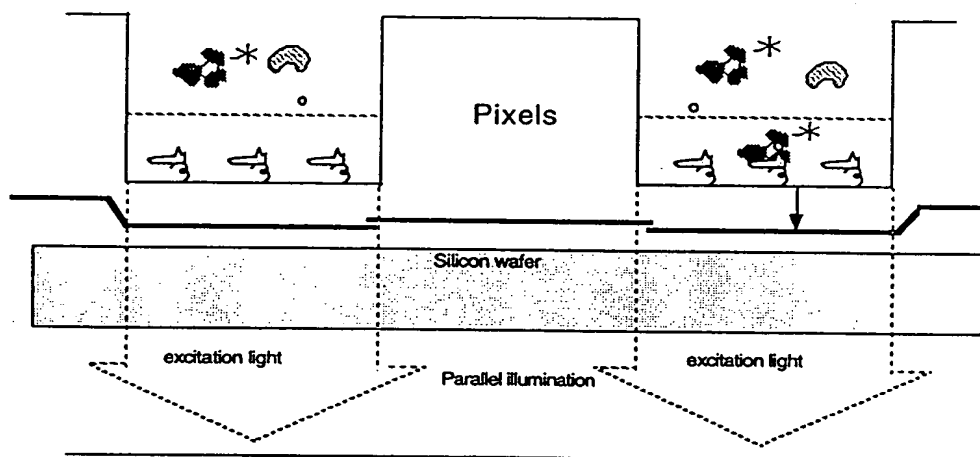


FIG. 15

**FIG. 16**

Proximal CCD



Radioisotope or chemiluminescent labeling

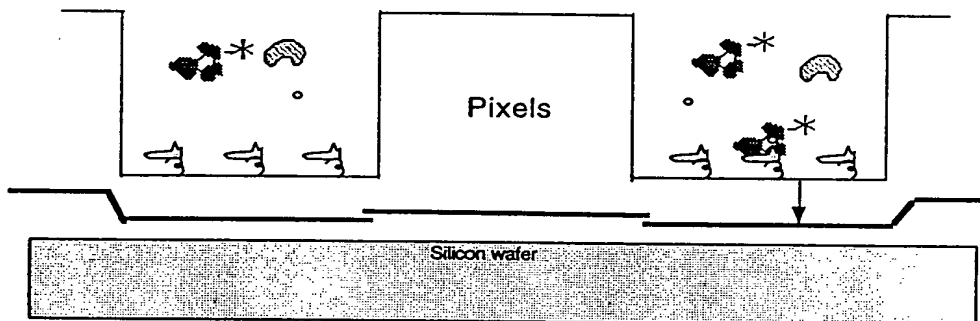


FIG. 17

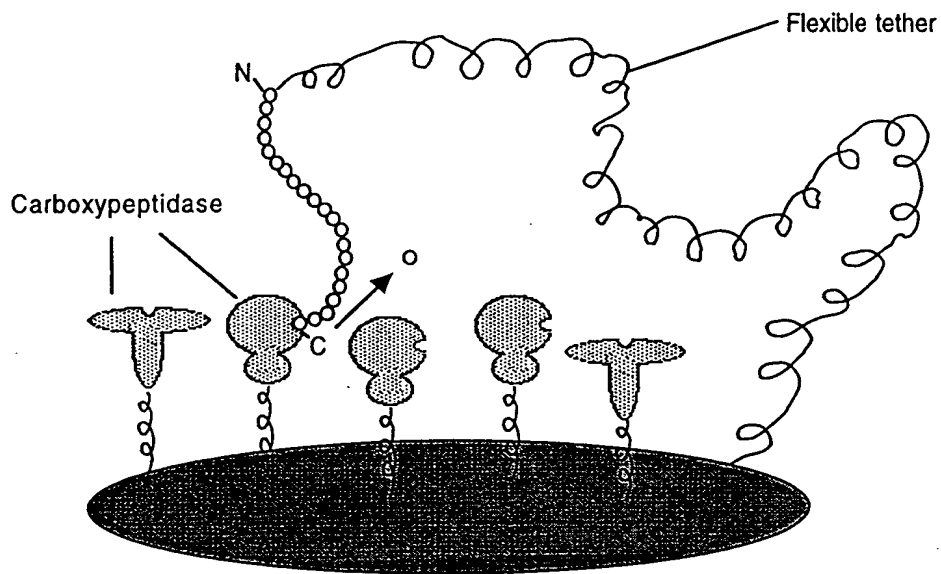


FIG. 18

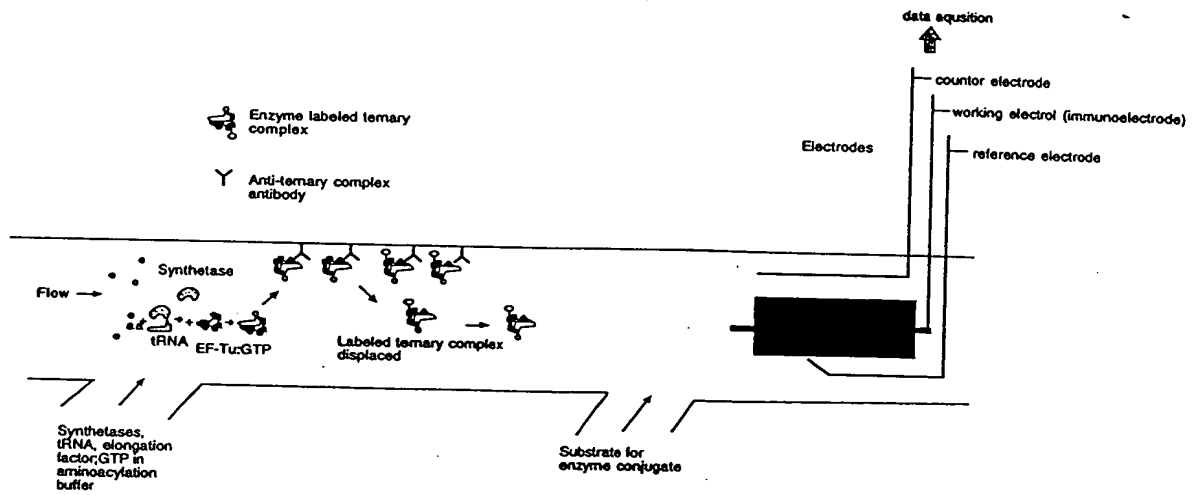


FIG. 19A

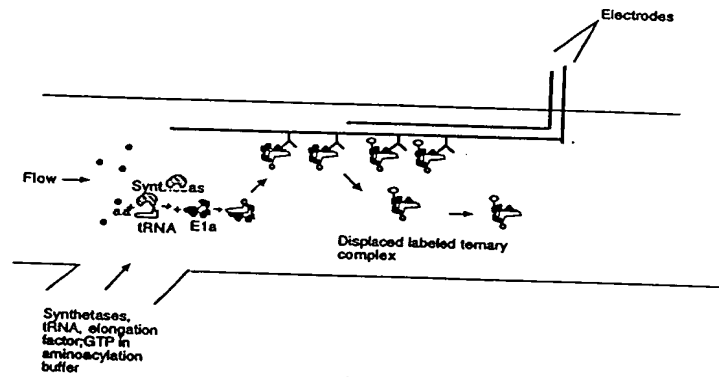


FIG. 19B

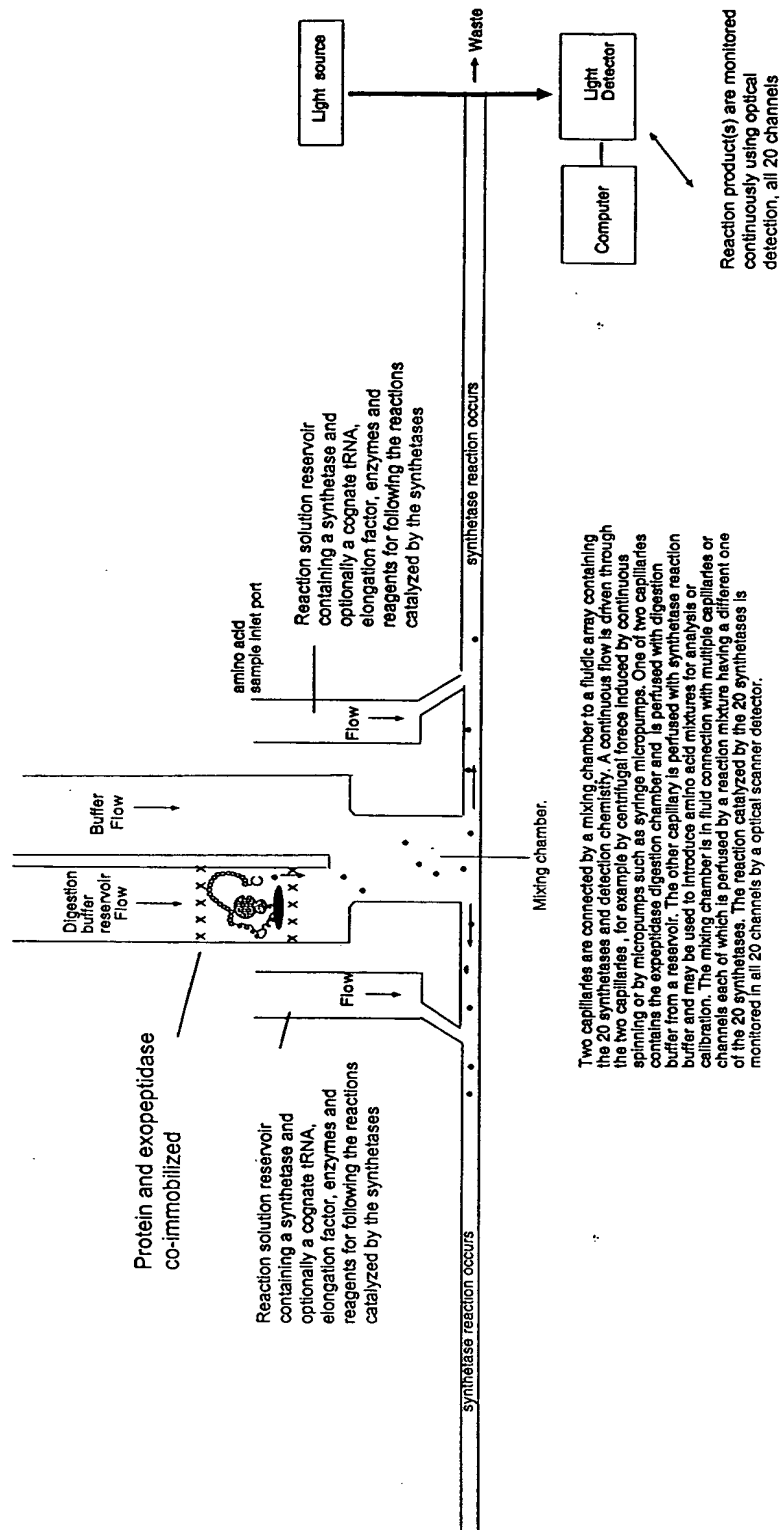


Fig. 20

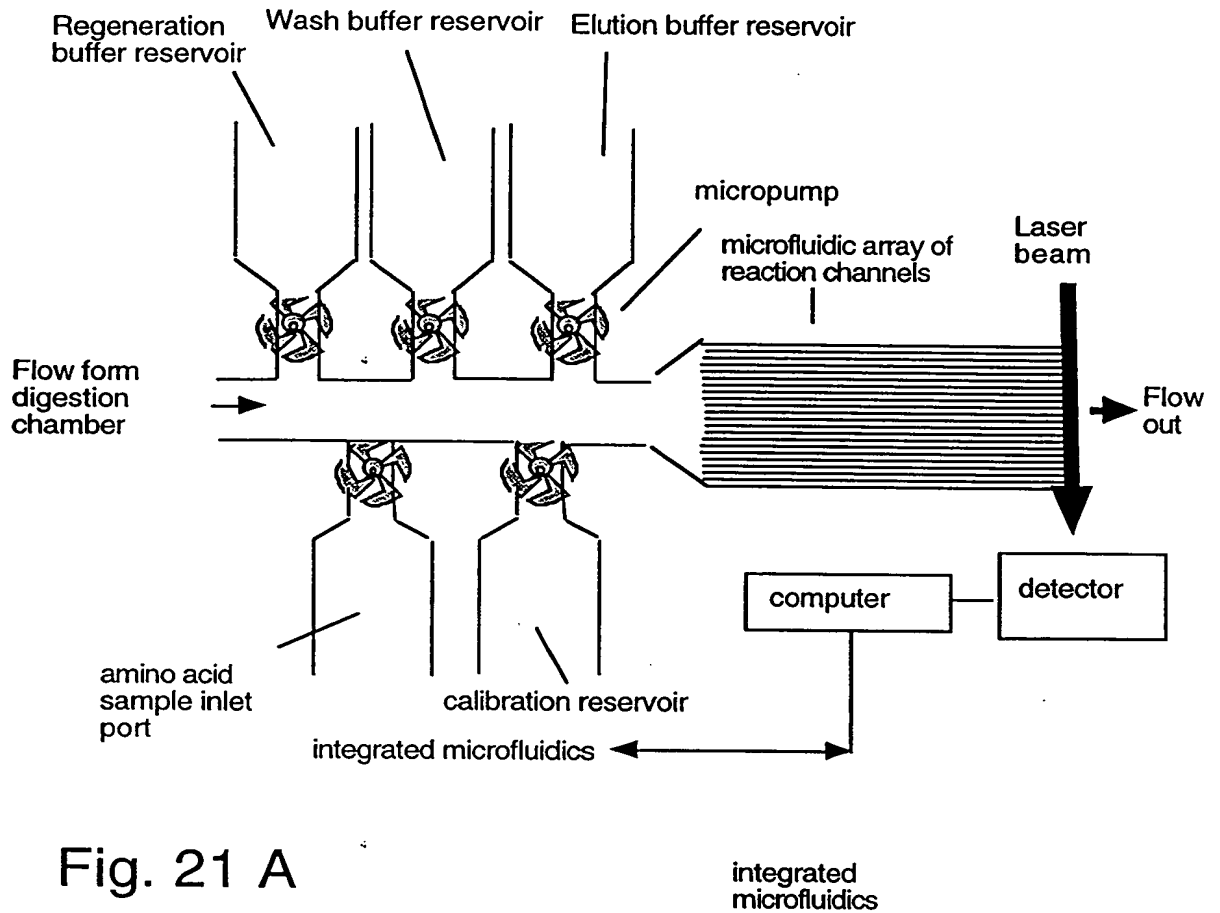


Fig. 21 B

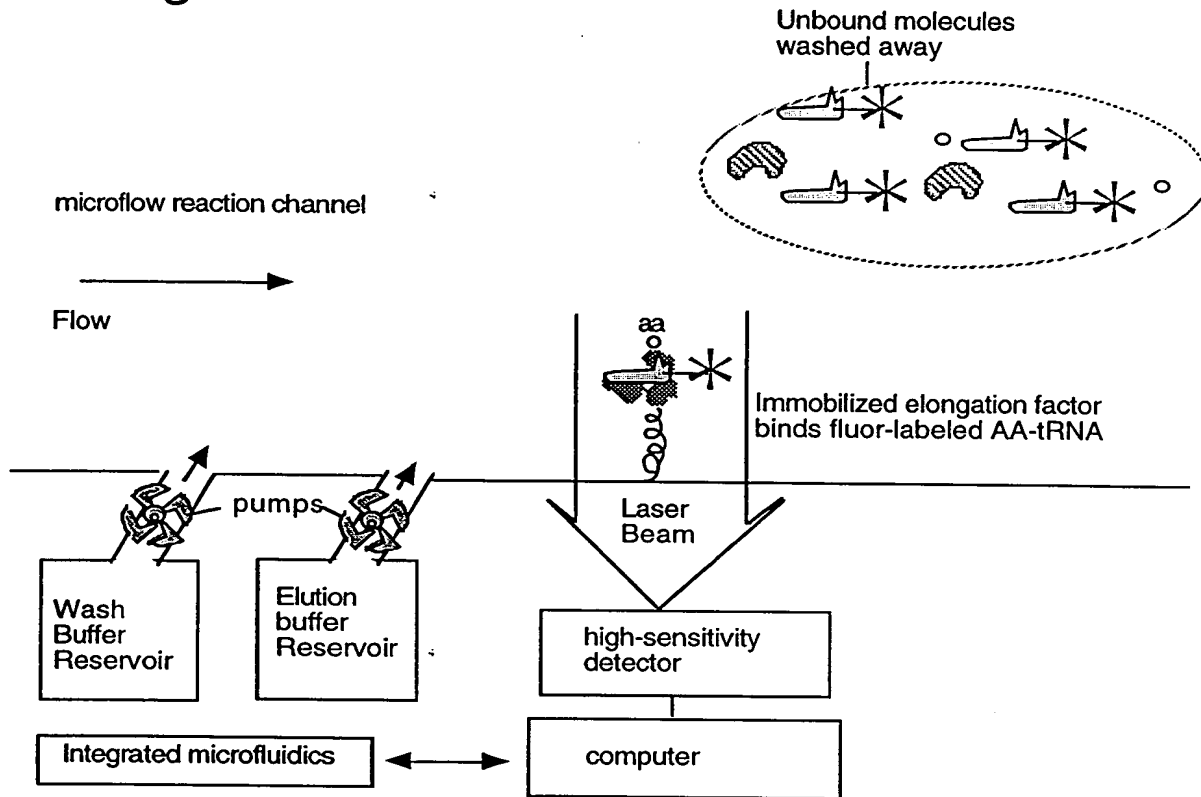
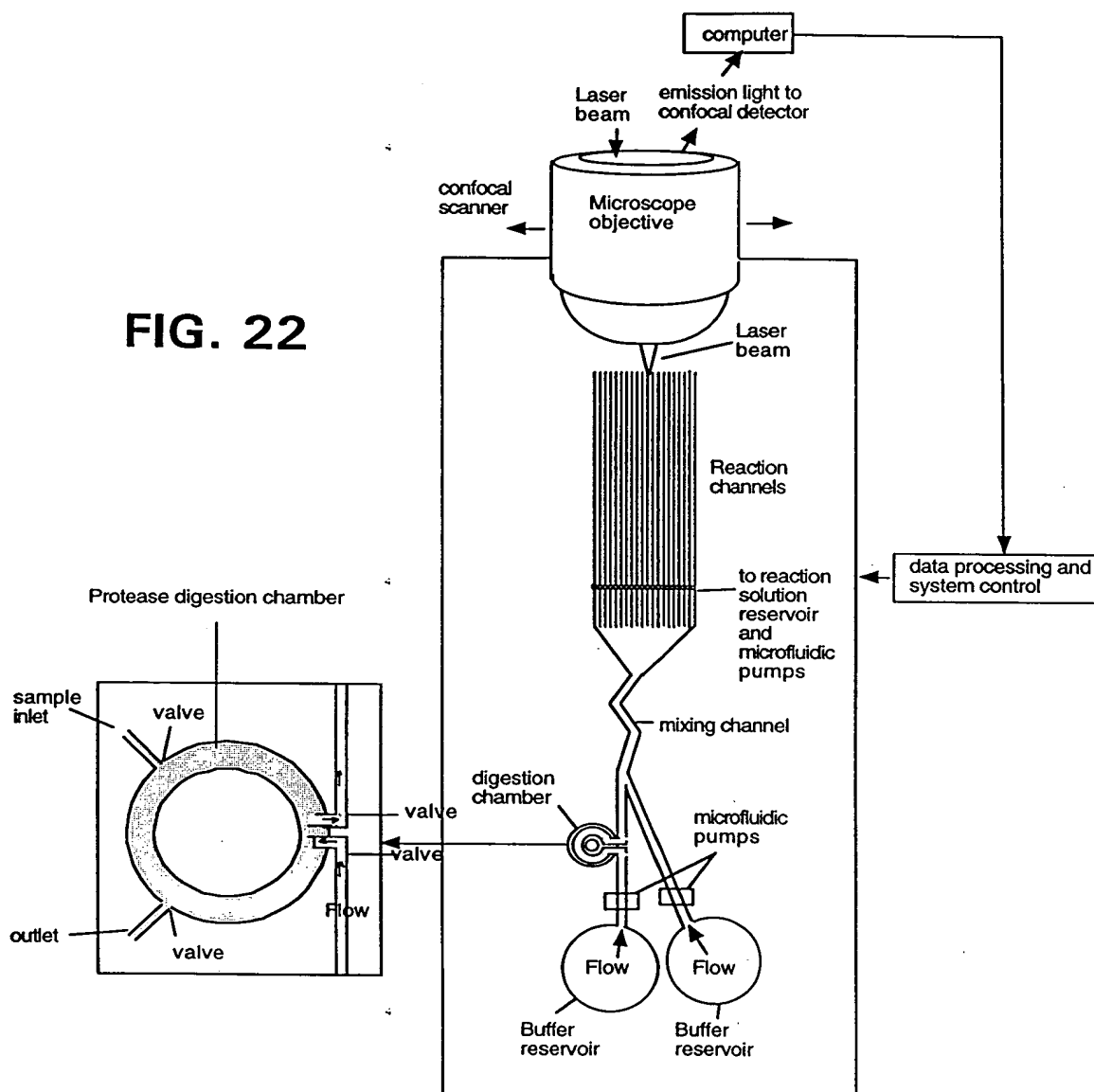


FIG. 22



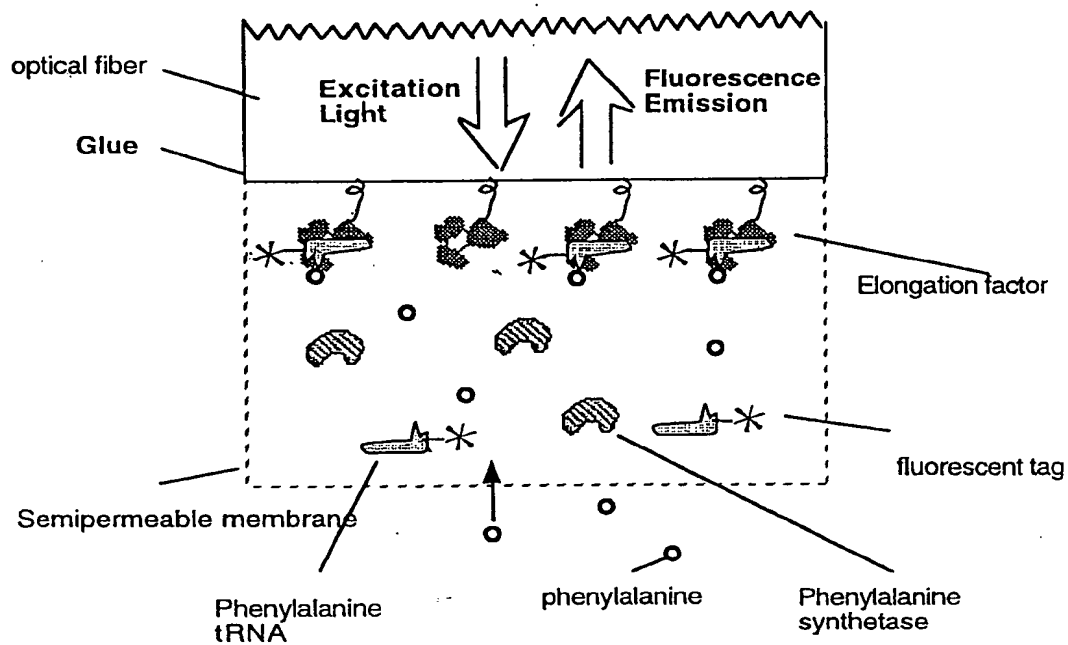
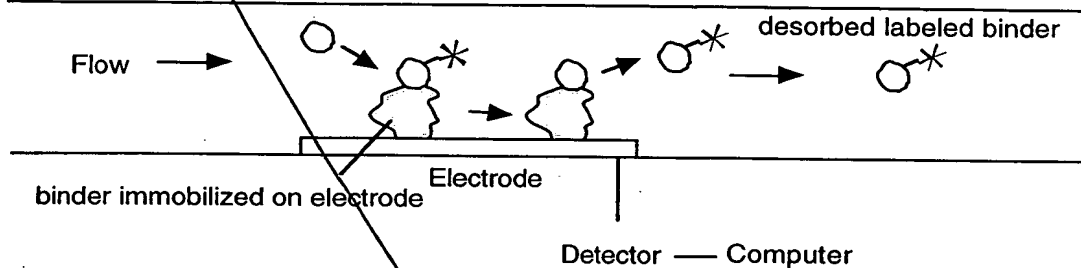


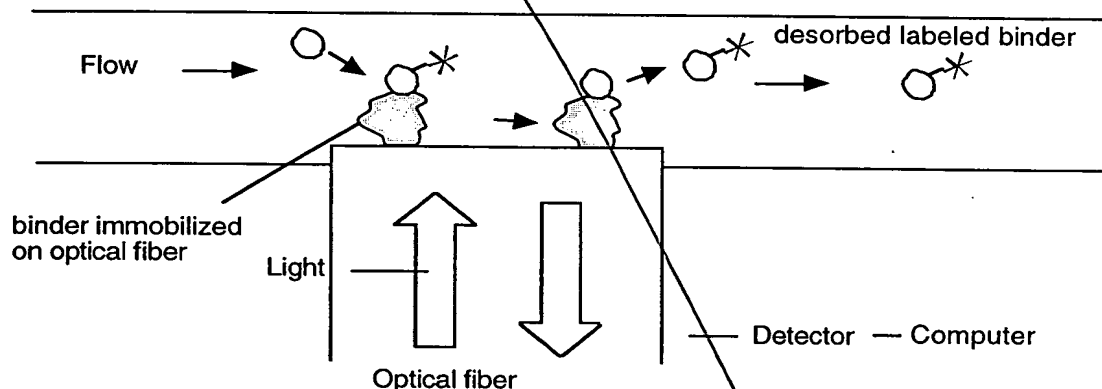
FIG. 23

Biosensors

Using biosensor technology the biospecifically eluted substance may be detected by a change in signal at the transducers surface resulting from the displacement. The following examples illustrate this embodiment of the invention. Any of the biosensor technologies may be employed in these embodiments of the invention. Suitable biosensors include but are not limited to surface plasmon biosensors, optical fibers, electrochemical biosensors, and piezoelectric biosensors.



In this embodiment of the invention, the decrease in signal at the electrode surface is proportional to the eluted labeled molecule.



In this embodiment of the current invention, the decrease in signal at the surface of an optical fiber or optical waveguide bearing the substance having a reversibly bound labeled molecule is proportional to the eluted labeled molecule.

